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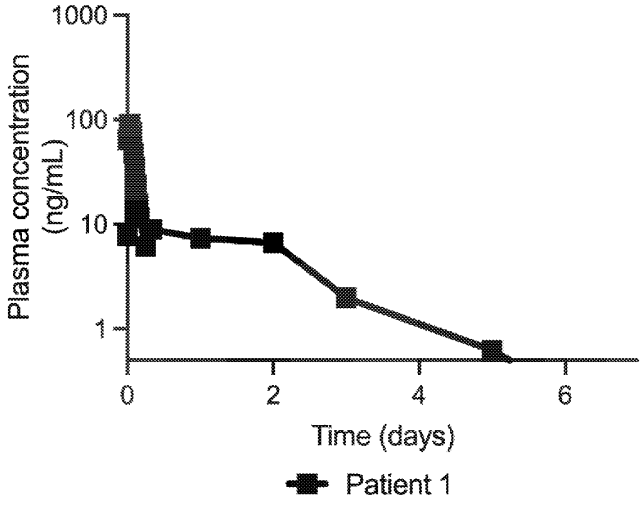
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(54) Title: NEW FORMULATIONS COMPRISING AZACITIDINE

Figure 3



(57) Abstract: There is provided a pharmaceutical formulation that is useful in the treatment of myelodysplastic syndrome, comprising a plurality of particles suspended in an aqueous carrier system, which particles: (a) have a weight-, number-, or volume-based mean diameter that is between amount 10 nm and about 700 μm; and (b) comprise solid cores comprising azacitidine, or a pharmaceutically-acceptable salt thereof, coated, at least in part, by a coating of inorganic material comprising mixture of: (i) zinc oxide; and (ii) one or more other metal and/or metalloid oxides, wherein the atomic ratio ((i):(ii)) is between at least 1:6 and up to and including about 6:1. Said mixed oxide coated particles are preferably synthesized via a gas phase coating technique, such as atomic layer deposition. The formulation may provide for the delayed or sustained release of azacitidine to treat myelodysplastic syndrome without a burst effect.

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